



Determine the placement of the decimal in each product.

$$5.809 \times 7.8 = 45.3102$$

1. Count the quantity of numbers to the right of the decimal for each factor.

5.809 has 3 numbers right of the decimal (5.809)

7.8 has 1 number right of the decimal (7.8)

2. Add the amounts together. Your answer should have the same quantity of numbers to the right of the decimal.

$$3 + 1 = 4$$

$$5.\underline{089} (3) \times 7.\underline{8} (1) = 45.\underline{3102} (4)$$

Also notice that  $5 \times 7 = 35$  and  $6 \times 8 = 48$ , so  $5.809 \times 7.8$  will be a more than 35 but less than 48.

Answers

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_
11. \_\_\_\_\_
12. \_\_\_\_\_
13. \_\_\_\_\_
14. \_\_\_\_\_
15. \_\_\_\_\_
16. \_\_\_\_\_
17. \_\_\_\_\_
18. \_\_\_\_\_
19. \_\_\_\_\_
20. \_\_\_\_\_

- 1)  $2.97 \times 4.3 =$             1 2 7 7 1
- 2)  $3.4 \times 4 =$                 1 3 6
- 3)  $7.3 \times 9 =$                 6 5 7
- 4)  $6 \times 1.96 =$                1 1 7 6
- 5)  $8 \times 9.678 =$               7 7 4 2 4
- 6)  $9 \times 4.67 =$                4 2 0 3
- 7)  $4 \times 1.224 =$               4 8 9 6
- 8)  $3.892 \times 1.1 =$             4 2 8 1 2
- 9)  $6.21 \times 7.8 =$               4 8 4 3 8
- 10)  $9.43 \times 1.7 =$              1 6 0 3 1
- 11)  $4 \times 9.8 =$                 3 9 2
- 12)  $5.852 \times 7.8 =$             4 5 6 4 5 6
- 13)  $8.384 \times 4 =$              3 3 5 3 6
- 14)  $2.14 \times 4 =$                8 5 6
- 15)  $5.3 \times 3 =$                 1 5 9
- 16)  $3.1 \times 3.27 =$             1 0 1 3 7
- 17)  $2.1 \times 8.772 =$            1 8 4 2 1 2
- 18)  $7 \times 9.13 =$               6 3 9 1
- 19)  $2.169 \times 8.6 =$            1 8 6 5 3 4
- 20)  $3.122 \times 7 =$              2 1 8 5 4



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2. Add the amounts together. Your answer should have the same quantity of numbers to the right of the decimal.

$$3 + 1 = 4$$

$$5.\underline{089} (3) \times 7.\underline{8} (1) = 45.\underline{3102} (4)$$

Also notice that  $5 \times 7 = 35$  and  $6 \times 8 = 48$ , so  $5.809 \times 7.8$  will be a more than 35 but less than 48.

**Answers**

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- 11)  $4 \times 9.8 =$          3 9 . 2
- 12)  $5.852 \times 7.8 =$      4 5 . 6 4 5 6
- 13)  $8.384 \times 4 =$       3 3 . 5 3 6
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- 20)  $3.122 \times 7 =$       2 1 . 8 5 4

- 1. 12.771
- 2. 13.6
- 3. 65.7
- 4. 11.76
- 5. 77.424
- 6. 42.03
- 7. 4.896
- 8. 4.2812
- 9. 48.438
- 10. 16.031
- 11. 39.2
- 12. 45.6456
- 13. 33.536
- 14. 8.56
- 15. 15.9
- 16. 10.137
- 17. 18.4212
- 18. 63.91
- 19. 18.6534
- 20. 21.854